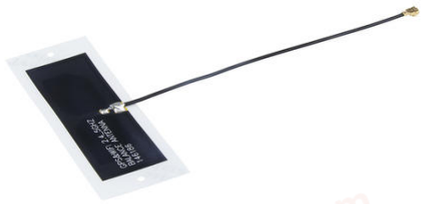
chanhvinh.com

molex

Part Number : 1461860300
Product Description : Wi-Fi 6E+GNSS Flex Cabled Balanced Antenna, 18.00mm Width, 300.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 146186
Status : Obsolete
Product Category : Antennas



Documents & Resources

Specifications

AS-146186-100-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

Obsolete

chanhvinh.com

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Obsolete
Category	Antennas
Series	146186
Description	Wi-Fi 6E+GNSS Flex Cabled Balanced Antenna, 18.00mm Width, 300.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Name	2.4/5GHz GPS-Wi-Fi Antenna
Protocol	BeiDou, BLE, BT, Galileo, GLONASS, GPS, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Combo Wi-Fi/GNSS Antenna
UPC	889056433655

Electrical

Band#1 F_End (MHz)	1602
Band#1 F_Start (MHz)	1575.42
Band#2 F_End (MHz)	2483.5
Band#2 F_Start (MHz)	2400
Band#3 F_End (MHz)	5850
Band#3 F_Start (MHz)	5150
Band#4 F_End (MHz)	6000
Band#4 F_Start (MHz)	3000
Electrical Connectivity	Cable
Peak Gain (dBi)	2.4 @ 1575 MHz, 2.4 @ 2.4 GHz, 3.0 @ 5 GHz, 3.7 @ 3 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>56% @ 5 GHz, >61% @ 1575 MHz, >64% @ 3 GHz, >65% @ 2.4 GHz

chanhvinh.com

Physical

Cable Length	300.00mm
Length	53.00mm
Mounting Style	Adhesive
Net Weight	1.513/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	18.00mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms	734120110

Obsolete